



Patent  
PD-200045  
Customer No. 020991

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Raynold M. Kahn,  
et al.


Serial No.: 09/620,772  
Filed: July 21, 2000

For: SUPER ENCRYPTED STORAGE  
AND RETRIEVAL OF MEDIA  
PROGRAMS WITH SMARTCARD  
GENERATED KEYS

Group Art Unit: 2134  
Examiner: Ellen C. Tran

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Mail Stop RCE, Commissioner for  
Patents, P. O. Box 1450, Alexandria, VA  
22313-1450, on the date below:

  
Georgann S. Grunebach  
Typed or printed name of person signing certificate

Date: August 10, 2005

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 C.F.R. § 1.97 (b)(4)**

Mail Stop RCE  
Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

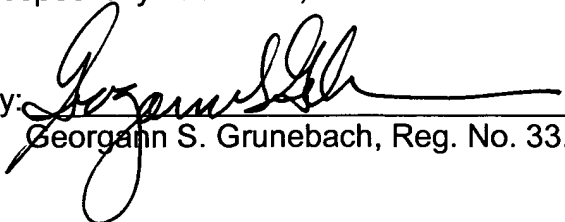
The references cited on the enclosed form PTO/SB/08A may be relevant or material to the examination of the above-identified patent application and are, therefore, submitted in compliance with the duty of disclosure defined in 37 C.F.R. §1.56.

This statement should be considered because it is submitted before the mailing of a first Office action after the filing of a request for continued examination under §1.114 and therefore it is believed that no fee is due with this submission under 37 C.F.R. §1.97(b)(4).

If a fee is due, the Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment, to Deposit Account No. 50-0383 of Hughes Electronics Corporation, El Segundo, California.

This Information Disclosure Statement is not to be construed as a representation that a search has recently been made, that additional information material to the examination of this application does not exist, or that this citation constitutes prior art.

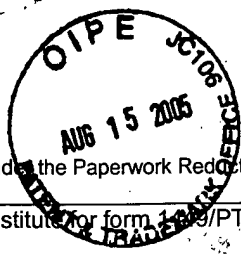
Respectfully submitted,

By:   
Georgann S. Grunebach, Reg. No. 33,179

The DIRECTV Group, Inc.  
RE/R11/A109  
P. O. Box 956  
El Segundo, CA 90245

Telephone No. (310) 964-4615

August 10, 2005

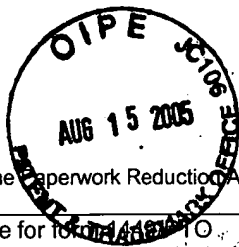


<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (Use as many sheets as necessary)	<b>Complete if Known</b>	
	Application Number	09/620,772
	Filing Date	July 21, 2000
	First Named Inventor	Raynold M. Kahn
	Art Unit	2134
	Examiner Name	Ellen C. Tran
Sheet 1 of 2	Attorney Docket Number	PD-200045

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.	Document Number  Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-6,772,434	08-2004	Godwin, John P.	
		US-6,154,206	11-2000	Ludtke, Harold Aaron	
		US-6,405,372	06-2002	Kim et al.	
		US-6,745,245	06-2004	Carpenter, Wiltse J.	
		US-6,637,027	10-2003	Breslauer et al.	
		US-6,741,834	05-2004	Godwin, John P.	
		US-5,481,609	01-1996	Cohen et al.	
		US-6,754,904	06-2004	Cooper et al.	
		US-2002/0021805	02-2002	Schumann et al.	
		US-2002/0170072	11-2002	Lundbald et al.	
		US-2002/0101991	08-2002	Bacon et al.	
		US-2003/0208771	11-2003	Hensgen et al.	
		US-2002/0116705	08-2002	Perlman et al.	
		US-2003/0196113	10-2003	Brown et al.	
		US-2002/0196374	12-2002	Barry et al.	

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

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	Filing Date	July 21, 2000
	First Named Inventor	Raynold M. Kahn
	Art Unit	2134
	Examiner Name	Ellen C. Tran
Sheet 2 of 2	Attorney Docket Number	PD-200045

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No.	Foreign Patent Document  Country Code-Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		WO 01/65762	09-07-2001	Platt et al.		
		WO 01/22724	03-29-2001	Morcel et al.		
		WO 01/99422	12-27-2001	Sony Electronics		
		WO 01/37546	05-25-2001	SCM Microsystems		
		WO/00/14967	03-16-2000	Koninlijke Philips		
		GB 2354392	03-21-2001	Samsung Electronics		
		EP 710017	05-1996	Minett, Peter John		

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



Patent  
PD-200045  
Customer No. 020991

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of: Raynold M. Kahn,  
et al.

Serial No.: 09/620,772  
Filed: July 21, 2000

For: SUPER ENCRYPTED STORAGE  
AND RETRIEVAL OF MEDIA  
PROGRAMS WITH SMARTCARD  
GENERATED KEYS

Group Art Unit: 2134  
Examiner: Ellen C. Tran

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: 22313-1450, on the date below:

: 

: Georgann S. Grunebach  
: Typed or printed name of person signing certificate

:  
: Date: August 10, 2005

**REQUEST FOR CONSIDERATION OF PREVIOUSLY FILED  
INFORMATION DISCLOSURE STATEMENTS**

Mail Stop RCE  
Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Applicants respectfully request consideration of the enclosed Information Disclosure Statements which was previously filed in the present application on April 4, 2003 and October 12, 2004.

The Information Disclosure Statement dated April 4, 2003 was received by the Office on April 8, 2003, as evidenced by the copy of the date-stamped postcard enclosed herewith. The statement was timely filed under 37 C.F.R. §1.97(b).

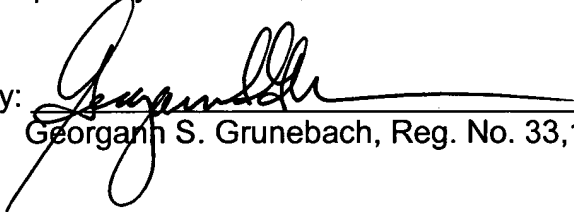
The Information Disclosure Statement dated October 12, 2004 was received by the Office on October 14, 2004, as evidenced by the copy of the date-stamped postcard enclosed herewith. The statement was timely filed under 37 C.F.R. §1.97(c) with a payment of fee set forth in §1.17(p).

Accordingly, Applicants respectfully submit that these Information Disclosure Statements should be considered, and the accompanying PTO 1449 forms, initialed by the Examiner.

Applicants believe that no fee is required in connection with this communication. If a fee is due, the Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment, to Deposit Account No. 50-0383 of Hughes Electronics Corporation, El Segundo, California.

Favorable consideration is respectfully requested, and if the Examiner believes that there are any unresolved issues, Applicants request that the Examiner telephone the undersigned so that appropriate arrangements can be made for resolving such issues as expeditiously as possible.

Respectfully submitted,

By:   
Georgann S. Grunebach, Reg. No. 33,179

The DIRECTV Group, Inc.  
RE/R11/A109  
P. O. Box 956  
El Segundo, CA 90245

Telephone No. (310) 964-4615

August 10, 2005



Receipt in the USPTO is hereby acknowledged by date stamp hereon of the following documents:

1. Supplemental Information Disclosure Statement
2. PTO-1449 (w/ cited references)

Inventors: Kahn et al.

Title of Invention: SUPER ENCRYPTED STORAGE AND RETRIEVAL OF MEDIA PROGRAMS WITH SMARTCARD GENERATED KEYS

Serial No.: 09/620,772

Filed: July 21, 2000

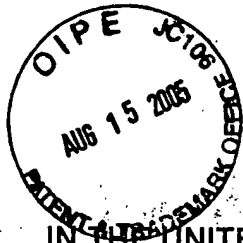
PD-200045

J.A. Crook

Date Mailed:

April 4, 2003  
(via First Class Mail)





Patent  
PD-200045  
Customer No. 020991

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**In re Application of:**  
Kahn et al.

**Serial No.:** 09/620,772

**Filed:** July 21, 2000

**For:**  
SUPER ENCRYPTED STORAGE AND  
RETRIEVAL OF MEDIA PROGRAMS  
WITH SMARTCARD GENERATED KEYS

**Group Art Unit:** 2766

**Examiner:** To Be Determined

: I hereby certify that this paper (or fee) is being  
: deposited with the United States Postal Service as  
: first class mail, in an envelope addressed to:

: Commissioner for Patents, Washington, DC 20231,  
: on the date below:

: Signature

: Dana J. Warnquist

: Typed or printed name of person signing Certificate

: Date: April 4, 2003

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
Washington, DC 20231

Dear Sir:

The documents cited on the enclosed form PTO-1449 (copies of documents enclosed) may be material to the examination of the above-identified patent application and are, therefore, submitted in compliance with the duty of disclosure defined in 37 CFR 1.56. It is respectfully requested that the documents be considered and made of record in the application identified above.

This Information Disclosure Statement is not to be construed as a representation that a search has recently been made, that additional information material to the examination of this application does not exist, or that this citation constitutes prior art.

These documents were cited by the Examiner in connection with co-pending, commonly assigned PCT Application No. PCT/US02/29881 in an Action dated



February 14, 2003, and in connection with co-pending, commonly assigned PCT Application No. PCT/US02/29944 in an Action dated February 20, 2003.

In accordance with § 1.97(e), the undersigned hereby certifies (1) that each item of information contained in the Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the Information Disclosure Statement; or (2) that no item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the person signing the certification after making reasonable inquiry, was known to any individual designated in § 1.56(c) more than three months prior to the filing of the Information Disclosure Statement.

Accordingly, it is believed that no fee is due with this submission. If a fee is due, the Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment, to Deposit Account No. 50-0383 of Hughes Electronics Corporation, El Segundo, California.

Respectfully submitted,

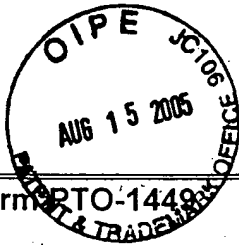
Dated: April 4, 2003

By: 

John A. Crook, Reg. No. 30,830  
Attorney for Applicant

Encls: Form PTO-1449 w/refs

HUGHES ELECTRONICS CORPORATION  
Bldg. 01, M.S. A109  
P.O. Box 956  
El Segundo, CA 90245-0956  
303/712.5044



# PATENT APPLICATION

Page 1 of 1

Customer No. 020991

Form PTO-1449	Serial Number 09/620,772	Docket PD- 200045
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>	Applicant Kahn et al.	
(Use several sheets if necessary)	Filing Date July 21, 2000	Group 2766

## U.S. PATENT DOCUMENTS

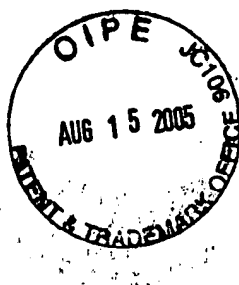
		Document Number	Date	Name	Class	Sub Class
		4,613,901	09/23/1986	Gilhousen et al.		
		5,663,896	09/02/1997	Aucsmith		
		5,764,762	06/09/1998	Kazmierczak et al.		
		5,805,699	09/08/1998	Akiyama et al.		
		5,953,418	09/14/1999	Bock et al.		
		6,157,719	12/05/2000	Wasilewski et al.		
		6,229,895	05/08/2001	Son et al.		
		6,473,858	10/29/2002	Shimomura et al.		
		6,487,663	11/26/2002	Jaisimha et al.		
		2001/0001876 A1	05/24/2001	Morgan et al.		
		2002/0001386 A1	01/03/2002	Akiyama		
		2002/0170054 A1	11/14/2002	Kudelski et al.		

## FOREIGN PATENT DOCUMENTS

		Document Number	Date	Name	Class	Sub Class

## OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)

		Yongchen Li, et al., <i>Security Enhanced MPEG Player</i> , IEEE, 1996, pp. 169-175
		Fink, <i>Ready to take the dive? It's fast-forward as new DVD and Divx formats hit market (includes graphic: Home video: the next generation plus: Some selections that show off the system)</i> , York Daily Record, December 21, 1998, pp. 1-3
		Sin-Joo Lee, et al., <i>A Survey Of Watermarking Techniques Applied To Multimedia</i> , IEEE, 2001, pp. 272-277
Examiner		Date Considered



Receipt in the USPTO is hereby acknowledged by the date stamp hereon of the following documents:

1. Information Disclosure Statement
2. Form PTO-1449 (Modified) Information Disclosure Statement with Cited References
3. Return postcard

Patent Application Serial No.: 09/621,476

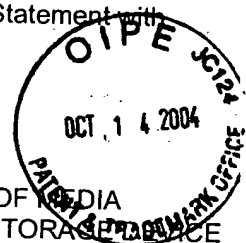
Filed: July 21, 2000

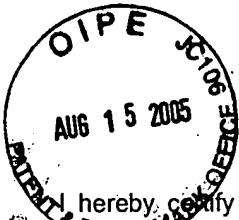
Title: SUPER ENCRYPTED STORAGE AND RETRIEVAL OF MEDIA PROGRAMS IN A HARD-PAIRED RECEIVER AND STORAGE DEVICE

Docket Number: PD-200045

Attorney: GSG

Date Mailed: October 12, 2004 (via First Class Mail with Certificate of Mailing)





Certificate of Mailing under 37 CFR 1.8

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450, on October 12, 2004.

  
Signature

Georgann S. Grunebach, Reg. No. 33,179  
(Typed or Printed Name of Person Signing Certificate)

October 12, 2004  
Date

(310) 964-4615  
Telephone Number

**Customer Number 020991**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In Re Application of:

Date: October 12, 2004

Raynold M. Kahn, et al

Serial No.: 09/620,772

Art Group No.: 2134

Filed: July 21, 2000

Examiner: Ellen C. Tran

For: SUPER ENCRYPTED STORAGE AND RETRIEVAL OF MEDIA  
PROGRAMS WITH SMARTCARD GENERATED KEYS

Attorney Docket No.: PD-200045

**SUPPLEMENTAL DISCLOSURE STATEMENT**  
**UNDER 37 C.F.R. § 1.97(c)**  
**WITH PAYMENT OF FEE UNDER 37 C.F.R. § 1.17(P)**

Mail Stop Amendment  
Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

Sir:

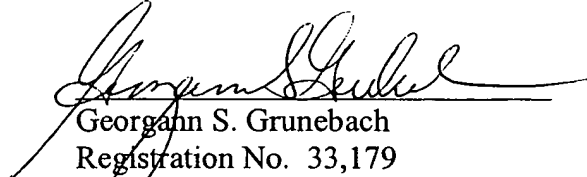
In compliance with 37 C.F.R. § 1.97(c), the art listed and identified on the attached PTO form (copies of references enclosed) is being submitted herewith for consideration by the Examiner.

This information disclosure statement is not to be construed as a representation that a search has recently been made, that additional information material to the examination of this application does not exist, or that this citation constitutes prior art.

**PAYEMNT OF FEE SET FORTH IN § 1.17(P)**

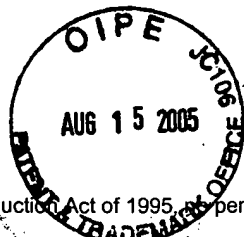
Please charge Deposit Account No. 50-0383 of Hughes Electronics Corporation, El Segundo, California, in the amount of \$180.00. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment, to that account. **This form is being submitted in duplicate.**

Respectfully submitted,

  
Georgann S. Grunebach  
Registration No. 33,179  
Attorney for Applicant(s)

Date: October 12, 2004

The DIRECTV Group, Inc.  
2250 East Imperial Highway  
P. O. Box 956  
El Segundo, CA 90245  
Telephone: (310) 964-4615



PTO/SB/08A&B (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

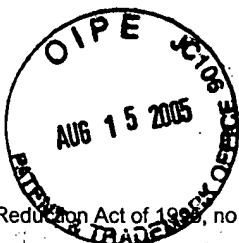
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Substitute for form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (Use as many sheets as necessary)	<b>Complete if Known</b>	
	Application Number	09/620,772
	Filing Date	July 21, 2000
	First Named Inventor	Raynold M. Kahn
	Art Unit	2134
	Examiner Name	Ellen C. Tran
Sheet 1 of 4	Attorney Docket Number	PD-200045

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.	Document Number Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-4,633,309			
		US-4,675,732			
		US-4,866,769			
		US-4,866,787			
		US-5,033,084			
		US-5,132,992			
		US-5,172,413			
		US-5,199,066			
		US-5,301,352			
		US-5,440,336			
		US-5,495,531			
		US-5,565,805			
		US-5,586,264			
		US-5,594,491			
		US-5,619,247			
		US-5,640,453			
		US-5,675,390			
		US-5,715,315			
		US-5,748,732			
		US-5,784,095			
		US-5,790,663			
		US-5,826,165			
		US-5,850,218			
		US-5,864,747			
		US-5,867,207			

Examiner Signature		Date Considered	
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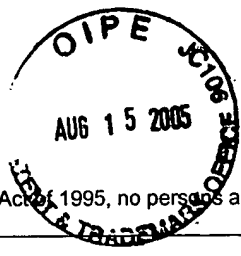
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		US-5,926,205			
		US-5,930,215			
		US-5,936,660			
		US-5,937,067			
		US-5,978,649			
		US-5,999,628			
		US-5,999,629			
		US-6,005,937			
		US-6,055,566			
		US-6,061,451			
		US-6,072,873			
		US-6,072,982			
		US-6,202,211			
		US-6,240,401			
		US-6,286,142			
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		US-6,317,883			
		US-6,317,884			
		US-6,398,245			
		US-6,415,031			
		US-6,466,671			
		US-6,476,825			
		US-6,496,980			
		US-6,519,772			
		US-6,530,085			

Examiner Signature		Date Considered	
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	Art Unit	2134
Examiner Name	Ellen C. Tran	
Sheet 3 of 4	Attorney Docket Number	PD-200045

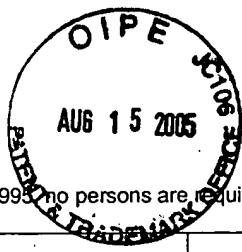
U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.	Document Number Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-6,542,870			
		US-6,574,609			
		US-6,611,812			
		US-6,654,547			
		US-6,655,580			
		US-2001/0046299			
		US-2002/0023219			
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		US-2002/0048367			
		US-2003/0040962			
		US-2003/0105718			
		US-2003/0110132			
		US-2003/0145183			
		US-2003/0228911			
		US-2003/0174844			

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No.	Foreign Patent Document Country Code-Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		EP 0710017 A2				
		EP 1156676 A2				
		EP 1304871 A2				
		EP 1369152 A2				
		WO 0143444 A2				
		WO 02065750 A2				
		WO 0215184 A1				

Examiner Signature		Date Considered	
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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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	First Named Inventor	Raynold M. Kahn
	Art Unit	2134
	Examiner Name	Ellen C. Tran
Sheet 4 of 4	Attorney Docket Number	PD-200045

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T
		PocketTV-MPEG movie player for Pocket PC and WinCE, 17 May 2000, MPEG TV, LLC, retrieved from URL: <a href="http://web.archive.org/web/200006210123803/www.mpegtv.com/wince/pockettv/index.html">http://web.archive.org/web/200006210123803/www.mpegtv.com/wince/pockettv/index.html</a> .	
		Download PockeTV (beta) for WinCE, 3 November 1999, MPEG TV, LLC, retrieved from URL: <a href="http://web.archive.org/web/19991127093158/www.mpegtv.com/wince/pockettv/index.html">http://web.archive.org/web/19991127093158/www.mpegtv.com/wince/pockettv/index.html</a> .	
		ANEROUSIS, N., "SkyCast: The Satellite Digital Broadcast Relay Service", AT&T Labs Research, unpublished manuscript, 1999, pp.1-4.	

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.